

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/003344

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04B 17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 17/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975

KOREAN UTILITY MODELS AND APPLICATIONS FOR UTILITY MODELS SINCE 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Korean Intellectual Property Office Patent Search System "(quality information) <and> mobile <and> channel "

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR1020030077732A(SAMSUNG ELECTRONICS CO., LTD.) 22.Aug.,2004(2001.08.22) * THE WHOLE DOCUMENT	1
X	US 20030054847A1(SAMSUNG ELECTRONICS CO., LTD.) 20.Mar.,2003(2003.03.20) * THE WHOLE DOCUMENT	1
X	JP 2003-204298A(LUCENT TECHNOL INC) 18.Jul.,2003(2003.07.18) * THE WHOLE DOCUMENT	1

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

14 MARCH 2005 (14.03.2005)

Date of mailing of the international search report

14 MARCH 2005 (14.03.2005)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

UHM, In Kwon

Telephone No. 82-42-481-5712



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/003344

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP15204298	18.07.2003	DE60201160C0	14.10.2004
		EP01309121A1	07.05.2003
		KR1020030038378	16.05.2003
		US20030087605A1	08.05.2003
US20030054847A1	20.03.2003	AU2002329076B2	10.03.2003
		BR200205958A	01.02.2005
		CA2427315A1	06.03.2003
		DE20213392U1	27.03.2003
		EP01289167A1	05.03.2003
		GB2382002A	14.05.2003
		JP2004522387T2	22.07.2004
		KR2003019210A	06.03.2003
KR1020030077732	04.10.2003	WO03019820A1	06.03.2003
		EP01349292A2	01.10.2003
		JP2003339073A2	28.11.2003
		US2003185242AA	02.10.2003